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Outlook

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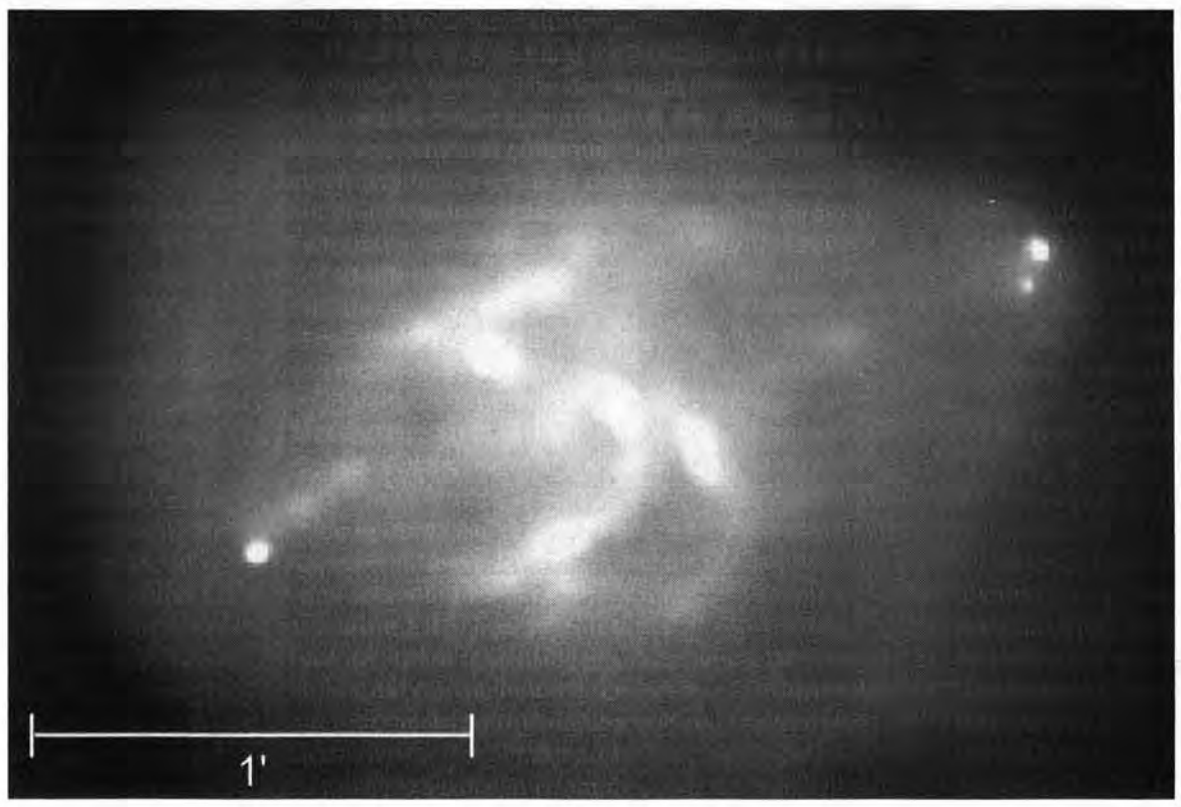
GLORIA LADSON-BILLINGS ON CAMPUS FOR NATIONAL EDUCATION WEEK, PAGE 4



Catching a Galactic Football: Chandra Examines Cygus A

Using NASA's Chandra X-ray Observatory, astronomers here and at California Institute of Technology have found a giant football-shaped cavity within X-ray emitting hot gas surrounding the galaxy Cygnus A.

A dramatic Chandra image taken by the scientists shows the cavity in the hot gas, which has been created by two powerful particle jets emitted from the central black hole and accretion disk in the nucleus of Cygnus A.

The new finding illustrates the Chandra X-ray Observatory's ability to help answer difficult questions of cosmic physics while illuminating the beauty and complexities of the universe in new ways.

"This is a spectacular cavity, which is inflated by the jets and completely surrounds the Cygnus A," said Andrew S. Wilson, professor of astronomy at the University of Maryland. "We are witnessing a battle between the gravity of the Cygnus A galaxy, which is trying to pull the hot gas inward, and the pressure of material created by the jets, which is trying to push the hot gas outward."

Hot gas is steadily being piled up around the cavity as it continuously expands, creating a bright rim of X-ray emission. The jets themselves terminate in radio and X-ray emitting "hot spots" some 300,000 light years from the center of the galaxy. These results were presented Monday to the High Energy Astrophysics Division of the American Astronomical Society meeting in Honolulu by Wilson, University of Maryland colleague Andrew J. Young, and Patrick L. Shopbell of the California Institute of Technology.

Cygnus A has long been famous as the brightest radio source in the sky. It is the nearest powerful radio galaxy. The Chandra X-ray image shows the cavity surrounded by a vast sea of extremely hot gas. The elongated oval shape comes from the force of the outwardly moving jets as they push through the hot gas. Bright bands around the "equator of the football" are also visible, which may be evidence of material swirling toward the central black hole.

Cygnus A is not alone in its galactic neighborhood, but is a member of a large cluster containing many galaxies. Extremely hot (tens of millions of degrees Celsius) gas is spread between the galaxies. Although it has a very low density, this gas provides enough resistance to slow down the outward advancement of the particle jets from Cygnus A. At these ends, bright radio and X-ray "hot spots" are seen; the fast atomic particles and magnetic fields that make up the jet squirt out sideways and provide the pressure that continuously inflates the cavity in the hot gas.

Without the jets, an X-ray image of Cygnus A, which is about 700 million light years from Earth, would appear as a more or less spherical region (with a diameter of about 2 million light years) of hot gas slowly falling into the Cygnus A galaxy. However, the two jets powered by the nuclear black hole in this galaxy push this gas outward, like a balloon being inflated.

In a paper accepted by the Astrophysical Journal Letters, Wilson, Young and Shopbell discuss how the Chandra observations resolve a long-standing puzzle about the hot spots at the ends of the jets. By analyzing the X-ray emission of the hot spots, the astronomers have measured the strength of the magnetic field in the hot spots.

"The radio data themselves cannot determine the strength of the magnetic field, a limitation that has inhibited progress in our understanding of cosmic radio sources for 50 years," said Wilson. "Combination of the Chandra X-ray and the radio data allows a quite precise measurement of the field strength."

Diversity Panel Reports Results in Three Initiatives

President Dan Mote last week outlined three initiatives designed to implement recommendations of the Diversity Panel created last year in response to a series of hate crimes on campus.

Mote thanked the 21-member panel and its co-chairs, Claire Moses and Raymond Johnson, for a "comprehensive and thoughtful report" and for "their hard work and long hours committed to this endeavor."

The president's three initiatives based on the report are: a uniform response to hate crimes and incidents, improved coordination and communication of diversity activities, and increased efforts to strengthen recruitment and retention of minority faculty, staff and students.

"My goal is that the University of Maryland will be one of the very best and most diverse public institutions in the country," Mote wrote in a letter to the campus, citing the report of the Diversity Panel, which said, "diversity and excellence are mutually reinforcing."

Mote said "There is no tolerance for hate or bigotry on the campus, and they will be confronted. I will use every mechanism at my disposal to suppress them with a maximum effort."

The action steps outlined in his response to the Diversity Panel's report are short-term efforts to begin achieving long term goals, Mote said.

Highlights of the action plan include:

- Improved Web-based information for emergency contacts and information about hate-bias incidents.
- Training for police dispatchers in handling hate-bias incidents.
- A greater role for the Office of Human Relations Programs to coordinate university-wide diversity efforts.
- Publicity efforts to improve the visibility of the existing diversity-related programs on campus.
- Funding for "target of opportunity" faculty hires that will increase unit diversity and for fellowship and lectureship opportunities to cultivate potential future faculty.
- Expanding the faculty orientation program to include discussions on diversity issues in the classroom and encourage more participation by current faculty in underrepresented groups.
- Mentoring for junior faculty.
- Increasing need-based financial aid for undergraduates.
- Expanding the diversity orientation programs.
- Ensuring that existing living/learning centers make

continued on page 4

Hear It Here:
University's New Sound Byte Service

To help bring university research and activities to life, you'll find a new service on the UM Web site, www.umd.edu/newsdesk. Sound Bytes marries text and audio clips, creating features for use by broadcasters and the University community.

The first feature will follow university scientist Christopher Shuman to the bottom of the world, as he and an international team trek across 750 miles of Antarctica's polar desert. As reported in last week's Outlook, Shuman and the team plan to bring back samples of ice for analysis. From this they hope to learn about the long-term impact of industrial activity on the environment. Shuman explains more about the project and Antarctica's rigorous and simple life in the Sound Bytes feature.

Also, the director of the University's Center for American Politics and Citizenship, Paul Herrnson, explains why E-voting—casting ballots on the Internet—is, for the moment, just an interesting idea. Some communities in two states will run technical E-voting trials in this week's election.

dateline maryland

Your Guide to University Events
November 7–16

november 7

2 p.m., Lecture: "When C-Command Fails: Principles of Priority and Finality." Derek Bickerton, University of Hawaii. Sponsored by the Dept. of Linguistics. Contact Graciela Tesan, graciela@wam.umd.edu.

6-9 p.m., OIT Workshop, "Introduction to Adobe Photoshop." 4404 Computer & Space Science. Call 5-2938, or register online at www.umd.edu/PT.*

november 8

12-1 p.m., Brown bag lecture and discussion: "Enhancing the Campus Climate for Racial/Ethnic Diversity: A Framework for Institutional Success," with Jeffery Milem, associate professor, Counseling and Personnel Services. 0114 Counseling Center, Shoemaker Bldg. Contact Stacey Holmes at 4-7690 or seholmes@wam. umd.edu.

12:30-2 p.m., Panel Discussion: "Environmental Security in Southern Africa." With Helen Purkitt, U.S. Naval Academy. CIDCM Conference Room, 0139 Tydings Hall. For more information, 5-7490 or kcousins@gvpt.umd.edu

3-4 p.m., First Annual William L. Thomas, Jr. Lecture, "Leaders as Bridge Builders in a 21st Century Multi-Cultural America" with Carlos E. Cortes. (Details in **For Your Interest**, page 4.)

4p.m., Sixth Annual Fischell Lecture: "Back to the Future: The Critical Role of Technology in Our Lives," by Robert J. Rosenthal, B.S. '78 Chemistry. 1412 Physics Building. Contact Mary Kearney, CMPS Deans Office, Alumni and External Relations, 5-0007.

5 p.m., Symposium: "Context and the Community: Race, Ethnicity and Masculinity." David Savran, Brown University, and Harry Elam, Stanford University. In conjunction with 8 p.m. performance of "SubUrbia." Laboratory Theatre, 2740 Clarice Smith Performing Arts Center. To reserve a space, contact Professor Catherine Schuler, 5-6688 or cs93@umail.umd.edu.

6-9 p.m., OIT Workshop: "Intermediate Microsoft Excel." 4404 Computer & Space Science. For information call 5-2938, or register online at www.umd.edu/PT.*

8 p.m., Performance: "SubUrbia," opening night. Eric Bogosian's taut exposure of the American dream. Pugliese Theatre. Also showing Nov. 9-11 and Nov. 14-18 at 8 p.m., and Nov. 12 and 19 at 2 p.m. For tickets and information, call 5-7847.*

november 9

10 a.m.-7:30 p.m., Conference: "Attending to Early Modern Women: Gender, Culture, and Change." The conference runs for 3 days. For registration information, contact crbs@umail.umd.edu or call 5-6830, or see www.inform.umd.edu/crbs.*

3-4 p.m., Distinguished Scholar Teacher Lecture: "Beyond This Point, There Be Dragons: Mapping the Journey to Expertise," by Patricia Alexander, Dept. of Human Development. (Details in **For Your Interest**, p. 4.)

4:30-7:30 p.m., OIT Workshop: "Introduction to Microsoft Powerpoint." 3330 Computer and Space Science. Register online at www.umd.edu/PT, or call 5-2938.*

8 p.m., Performance: "Mestra Cobra Mansa," demonstration and participatory workshop on the Brazilian martial arts form *capoeira*. A post-performance discussion will follow. For information, call the Clarice Smith Performing Arts Center, 5-7847.

november 10

11 a.m.-12 noon, Lectures: "Visual Function in Regenerated Eyes" by Alex Potocki, and "Visual Acuity in the American Kestrel" by Matt Gaffney. Integrated Neuroscience Fall Seminar series. 1128 Biology/Psychology. For information, contact Linda Harvey, lharvey@psyc.umd.edu.

2 p.m., Lecture: "A-movement and the EPP," with Zelijko Boskovic, Univ. of Connecticut. Part of the Linguistics Colloquium Series. Contact Graciela Tesan, graciela@wam.umd.edu.

november 11

2 p.m., Concert: "Masterworks from the Coolidge Collection." Ulrich Recital Hall, Tawes Bldg. The award-winning Coolidge String Quartet performs Shoenberg's *Quartet No. 3*, Webern's *Op. 28*, Prokofiev's *Op. 50* and more. Call 5-7283 or visit www.coolidgequartet.com.

8-10 p.m., Concert: "Rothenberg-Smukler-Katz Trio." Part of the Chamber & Early Music series. The Inn & Conference Center. For information, contact Brian Jose or Kristi Fletcher at 5-4059 or Kfletche@deans.umd.edu.*

november 13

8 a.m.-3 p.m., Conference: "First Annual Biosciences Research/Technology Review Day." Inn & Conference Center. (Details in **For Your Interest**, page 4.)

9 a.m.-12 noon, OIT Workshop: "Getting Started with Photoshop 5.5." Learn the basic tool palette; size, crop and retouch images; save images in Web-readable formats. 4404 Computer & Space Science. For more information, contact the Training Coordinator at 5-0443 or oit-training@umail.umd.edu

4 p.m., Lecture: "Bach's Music and Newtonian Science: A Composer in Search of the Foundations of His Art." Prof. Christoph Wolff, William Powell Mason Professor of Music and Curator of the Isham Memorial Library at Harvard University. Graduate School Distinguished Lecture series. 200 Skinner. For more information, call 5-4936.

4 p.m., Lecture: "Heterogeneity and Stream Ecosystems: From Population Dynamics to Restoration." Margaret Palmer, Dept. of Biology, is this week's Entomology Colloquium speaker. 1140 Plant Sciences. Contact 5-3938 or db40@umail.umd.edu.

4:30 p.m., Lecture: "In Search of Mr. Chips: Why the Poorest Children Need the Best Teachers." The College of Education presents Gloria Ladson-Billings, University of Wisconsin-Madison. Nyumburu Cultural Center. For information, contact Steven Selden at 5-3566 or at ss22@umail.umd.edu.

7 p.m., Open Rehearsal: "Guarneri String Quartet." Artists-in-residence of the School of Music hold their second on-campus open rehearsal of the year. Program includes Haydn's *Op. 20 No. 5 in F minor*, Bartok's *Quartet No. 3*, Beethoven's *Op. 127 in E flat major*. Ulrich Recital Hall, Tawes Bldg. For more information, call 5-7847.

november 14

3:30-5 p.m., Panel: "Careers in Service." Learn from veterans of programs like AmeriCorps about a variety of post-graduate service opportunities. 3134 Hornbake Library, S. Wing. Contact Megan Cooperman, 5-0741 or msussman@accmail.umd.edu.

5:30-9 p.m. Concert: "Unsentimental Journeys." Homer Ulrich Recital Hall. Tickets available at Tawes Theatre Box Office. For more information, contact the Chorus Box Office, 5-5570.*

6-9 p.m., OIT Workshop: "Intermediate Adobe Photoshop. 4404 Computer & Space Science. Graphic manipulation using paths and layers; using filters with text, and prepackaged macros. Call 5-2938 or register online at www.umd.edu/PT.*

8 p.m., Concert: "Chamber Jazz Combo Recital." Student jazz combos perform original compositions as well as works by Charlie Parker, Wynton Marsalis, Woody Shaw, Herbie Hancock and Thelonius Monk. Ulrich Recital Hall, Tawes Bldg. For more information, call 5-7847.

8-9 p.m., Lecture: "Science, Policy and Politics: A View From Capitol Hill." Eileen McLellan, who spent a year as a Congressional Fellow, will talk about the projects she worked on, the role of science in public policy, and why scientists should understand politics. 1140 Plant Sciences. For more information, contact Bill Minarik at 5-4365 or minarik@geol.umd.edu.

november 15

8 a.m.-4:30 p.m., Conference, "Student Self Empowerment: Opportunities and Challenges." The Office of Multi-Ethnic Student Education (OMSE) hosts the 9th Annual Retention 2000 Conference. Colony Ballroom, Stamp Student Union.

12-1 p.m., R&D Lecture: "Humor as Unifying and Divisive." With Dr. Lawrence Mintz, associate professor and director, American Studies. Contact 4-7690 or seholmes@wam.umd.edu.

6-9 p.m., OIT Workshop: "Introduction to Adobe PageMaker." 3332 Computer & Space Science. Introduces professional page layout techniques, working with text, importing graphics, text flow and placement, master page setup, running headers and footers, using editing and construction tools of the tools palette. For more information, call 5-2938 or register online at www.umd.edu/PT.*

november 16

3:30 p.m., Lecture: "Electronic Bartering." Michael O. Ball, professor of decision and information technologies at the Robert H. Smith School of Business, will discuss how the Web and advanced decision models are resurrecting the oldest method of commerce for trading. Part of the Leveraging Corporate Knowledge seminar series. Reception to follow. Marriott Room, Van Munching Hall. For information and registration, 5-4888 or gthacker@rhsmith.umd.edu.

3:30 p.m., Distinguished Scholar-Teacher Lecture: "It's a Bug-Eat-Bug World: Biodiversity to Biocontrol," by Robert Denno. 1412 Physics. Reception follows the lecture. Contact 5-2509 or rmalone@deans.umd.edu.

6-9 p.m., OIT Workshop, "Peer Training Workshop." 4404 Computer & Space Science. Advance registration is required. For more information call 5-2938, or register online at www.umd.edu/PT.*

calendar guide:
Calendar phone numbers listed as 4-xxxx or 5-xxxx stand for the prefix 314 or 405. Events are free and open to the public unless noted by an asterisk (*). Calendar information for *Outlook* is compiled from a combination of inforM's master calendar and submissions to the *Outlook* office. To reach the calendar editor, call 405-7615 or e-mail to outlook@accmail.umd.edu.

Outlook

Outlook is the weekly faculty-staff newspaper serving the University of Maryland campus community.

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Cynthia Mitchel • Assistant Editor

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In Memoriam

Ralph Lee Hornbake, former vice president for academic affairs at the University of Maryland and the University of Maryland System, died Nov. 1 in Silver Spring after a long illness. He was 87.

A native of western Pennsylvania, Hornbake graduated from

the California State College in Pennsylvania, and worked for one year as a secondary school teacher in the small town of Aliquippa. He went on to graduate school at Ohio State University, where he earned his MA and Ph.D. degrees in industrial arts.

During World War II, he supervised training in an airplane factory, and after the war he accepted a one-year fellowship to study the humanities at Harvard University. He joined the faculty of the university in 1945 as associate professor of industrial education. He was promoted to professor in 1947 and was appointed department head in1954. He was an editor of the leading journal in his field and president of the American Council on Industrial Arts Teacher Education. His department came to rank as one of the two best in the nation.

He was named dean of the faculty in 1956, and in 1960 he was appointed to the newly created position of vice president for Academic Affairs, which he held until 1969. His vice presidential appointment was hailed with great enthusiasm by his colleagues who valued his knowledge, wisdom, and unselfish dedication. A gentleman of great elegance, he was known for his ability to charm university presidents, professors, and members of the staff with equal facility.

Hornbake served as chief academic officer during a period of exploding enrollments, tremendous budget increases, and unparalleled acclaim, as well as the turbulence of the 1960s.

His service to higher education was not limited to the university. He also served as a member, then as vice president, and later as president of the Commission on Higher Education of the Middle States Association of Colleges and Secondary Schools. His contributions at the state level included a six-year term on the Maryland Council for Higher Education.

Hornbake earned numerous honors and awards, including membership in the Academy of Fellows of the American Industrial Arts Association, the highest citation given by that organization. His contributions were also recognized by the university when it named its undergraduate library in his honor.

Hornbake retired as vice president for academic affairs at the University of Maryland System in 1979. In retirement, Hornbake was active in numerous service and civic organizations serving as president of the Kiwanis Club of Leisure World in Silver Spring, the Fireside Forum, and the Leisure World Seminars. He also served as chairman of the Inter-Faith Chapel Council and of his mutual board of directors. He was a member of the Pastor Affiliate Relations Committee, the University United Methodist Church in College Park and the Inter-Faith Chapel at Leisure World.

Hornbake was preceded in death by his wife of 55 years, Evelyn Young Hornbake, who died March 9, 1994. He is survived by his daughter, Barbara H. Angier of North Bethesda, son-in-law Frank E. Angier, Jr., and grandson, Ryan B. Angier.

Funeral services will be held at 1 p.m. on Nov. 7 in Memorial Chapel. In lieu of flowers, friends are encouraged to make a memorial gift to "The Friends of the Library." Checks may be made payable to the University of Maryland College Park Foundation, Inc. and mailed to Ms. Terry Miller, 2105 Pocomoke Building, University of Maryland, College Park, MD 20742.

Paul Wilson Steiner, professor of plant pathology, died of cancer in University Park on Oct. 28. He was 58.

Steiner, who came to the university in 1981, was the co-developer of Maryblyt, a predictive computer program that identifies early infestations of fire blight, a devastating bacterial disease of apples and pears. Maryblyt is now used in 31 states and 26 countries.

Steiner was born Oct. 13, 1942, in Gettysburg, Pa., to Harold M. Steiner and Virginia Wilson Steiner. Steiner's interest in plant pathology started as a child—his father was an associate professor of entomology at Pennsylvania State University and technical manager for several orchards—and continued into his early adulthood, when he organized helicopter spraying for green peach aphid and tobacco hornworm control shortly after his high school graduation.

He was a 1964 graduate of Gettysburg College, earned his master's degree in entomology from Cornell University in 1969 and his PhD in plant pathology from Cornell in 1975. Steiner was assistant professor at the University of Missouri from 1975 to 1981, when he joined the Maryland faculty.

Steiner teamed up with Gary Lightner of the USDA's Agricultural Research Service to develop Maryblyt, which enabled growers to predict orchard conditions conducive to fire blight and thereby know when to apply plant antibiotics.

He was an invited speaker at state and local horticultural societies and a visiting professor in several European countries. He chaired sessions at national and international meetings to discuss new forecasting methods to improve early detection of plant diseases.

On his birthday a few weeks ago, Steiner was honored at home by members of the Maryland State Horticultural Society, who named him Maryland Fruit Grower of the Year in recognition of his 20 years of service to area fruit growers.

Steiner is survived by his wife, Leila Tharp Steiner of University Park, his sons Adam and Matthew Steiner, and a granddaughter.

A Memorial Service will be held at 3:00 p.m. on Friday, Nov. 10 atMemorial Chapel. In lieu of flowers, his family requests donations be made to the department's instructional laboratory fund in memory of Paul. Checks should be payable to "University of Maryland," with the memo line to read: "Paul Steiner Memorial Fund." They may be sent to: Department of NRSL, Attn: K. Hunt, 2102 Plant Sciences, University of Maryland, College Park, MD 20742-4452.

Robert McCoy, professor and music director of the Maryland Opera Studio in the School of Music, died unexpectedly Oct. 16 at his home in College Park. He was 48.

A consummate musician and mentor, McCoy's collaborations with lyric artists included roles prepared for the Metropolitan, Berlin, New York City, Vienna State, Paris, San Francisco and Glyndebourne Operas. He performed in China and throughout the United States and Europe as accompanist, chamber pianist, soloist and conductor. His American engagements included the Kennedy Center and Carnegie Hall. He conducted master classes throughout the world, recorded for two record labels and appeared in several broadcasts by French and Austrian National Television and Radio.

While on the faculty at Maryland, McCoy also served as assistant conductor and pianist-vocal coach with the Washington Opera. For the past two decades, he served as artistic director and conductor of the Alaska Summer Arts Festival Opera Theater.

A child prodigy, McCoy was a church organist and choir director in his native Fort Dodge, Iowa, from the age of 10. He went on to earn degrees in piano performance and music education at the University of Iowa. In 1982, he earned the Doctor of Musical Arts degree in performance-accompanying at the University of Southern California. During this time he also studied music in Paris on a prestigious Fulbright Grant. Multilingual and fluent in French, he taught at the American College in Paris the following year.

In 1984, he returned to the United States as a visiting professor at the University of Michigan, and one year later, he joined the faculty at Maryland. A popular and highly respected professor, McCoy coordinated the School of Music's accompanying and vocal coaching degree programs.

During his career, McCoy was a recording grant recipient of the National Endowment for the Arts and a two-time recipient of the Maryland Creative and Performing Arts Grant for his work in Spanish, Portuguese and Russian repertoire for voice and piano. In 1989, the state of Maryland awarded him the Governor's Salute to Excellence in the Arts award.

McCoy is survived by his parents Marvin and Delores McCoy of Fort Dodge, Iowa, sister Lori Marchese of Urbandale and sister Holly McCoy of Omaha, Nebraska.

A memorial service will be held on Nov. 14 at 12:30 p.m. in Memorial Chapel.

NOTABLE

Andrew D. Wolvin, a professor in the Department of Communication, is one of eight to receive the newly established National Communication Association Scholarship of Teaching and Learning Award. The award, supported by a Carnegie Foundation grant, recognizes Professor Wolvin's "excellence in the classroom" and "pedagogically focused research and publication."

Dorothy Emanuel Gardner has been appointed co-director of the MBA consulting program at the Robert H. Smith School of Business. Through the program, second-year MBA students consult for leading area businesses, Fortune 500 companies and government organizations.

Before joining the Smith School as co-director, Gardner was the director of education and workforce initiatives for the High Technology Council of Maryland. She also has held market analyst and account executive positions with Lucent Technologies and program manager positions with AT&T. She holds a master's degree in general administration from University of Maryland University College and a bachelor's degree in business administration from Howard University.

Marc Nerlove, professor of agricultural economics, has received the honorary degree of doctor honoris causa from the University of Geneva for his contribution to the use of statistical methods in economic research.

Since coming to the university in 1993, Nerlove has made significant contributions to econometrics, time-series analysis and economic development through analysis of agricultural problems. He is a fellow of five national professional associations, a member of the National Academy of Science and past officer of four national and international professional associations in the field of economics and statistics.

For Your Interest

Drumming and Dancing

The School of Music presents Diali Djimo Kouyate, with the Maryland African Drum Ensemble and guests, for an evening of West African drumming and dance. Mr. Kouyate will perform on the 21-string kora, and members of the student ensemble will perform rhythms representing Manding cultural traditions of Mali, Guinea and Senegal on the Djembe drum orchestra. Also featured wil be members of Memory of African Culture, a Washington-based performing company.

The event will take place Thursday, Nov. 16 at 8 p.m. in the Ulrich Recital Hall, Tawes Fine Arts Building. Admission is free. For more information, call 301-405-7847.

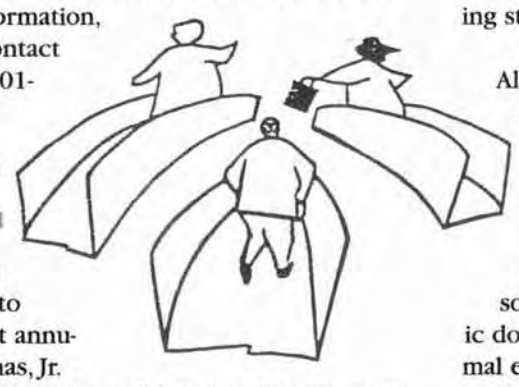
Biosciences in Review

The first annual Biosciences Research/Technology Review Day, modeled after the very successful Electrical Engineering/Computer Science Research Review Day held last Spring, will be a special open house event featuring the research of the premier scientists whose work at Maryland spans the broad field of bioscience. The all-day program, encompassing the subjects of neurosciences, computational biology and bioinformatics, biodiversity, ecology and evolution, virology, bioengineering, developmental physiology, structural biology, biomachines and proteomics, is designed to be informative and stimulating. University researchers will give scientific presentations and demonstrations and lead discussions.

Research Review Day will provide a unique opportunity for executives and professionals in industry and government to learn about the most recent advances in bioscience and biotechnology at the university; to explore the potential for academic-industry-government collaboration; and to network with colleagues who share an interest in the promotion of bioscience and the bioscience industry.

The event is scheduled for Nov. 13 at the Inn and Conference Center. The day will begin with continental breakfast and registration at 8 a.m. The program starts at 9 a.m. and continues until 3 p.m. A buffet lunch will be served at noon. Registration is required but complimentary; the online registration form can be found at www.umresearch.umd.edu/Bioscience/. For additional information, visit the site or contact Mickey Webb at 301-314-0323.

Bridging the Gap



Omicron Delta Kappa is pleased to announce the first annual William L. Thomas, Jr. Lecture, "Leaders as Bridge Builders in a 21st Century Multi-Cultural America" featuring Carlos E. Cortes, an internationally award-winning author, educator and lecturer.

Cortes, a leader in promoting multiculturalism, is professor emeritus of history at the University of California, Riverside. He is the recipient of two book awards, and after the lecture he will sign copies of his most recent book, *The Children Are Watching: How the Media Teach About Diversity*.

The lecture will be held on Wednesday, Nov. 8 from 3-4 p.m. in the Grand Ballroom Lounge in Stamp Student Union. Call 301-314-8432 for more information.

Developmental Dragons

What does it mean to be educated in academic domains like mathematics, history, or science? Why do some students succeed well in such domains, while others falter? What role should teachers play in fostering students' continued academic development?

These are among the questions that Patricia A. Alexander of the Department of Human Development will explore in her Distinguished Scholar-Teacher presentation entitled "Beyond This Point, There Be Dragons: Mapping the Journey to Expertise." Specifically, Dr. Alexander will discuss her program of research that considers the interplay of knowledge, motivation, and problem solving in the development of expertise in academic domains. She will also discuss characteristics of formal education that can either help or hinder students on their journey toward expertise.

Alexander's lecture will take place on Nov. 9 at 3 p.m. in the Atrium of Stamp Student Union. A reception will follow. For more information, contact Rhonda Malone at 5-2509 or at rmalone@deans.umd.edu.

Urban Education Expert on Campus for National Education Week

Many times it's the best teachers that teach the most affluent students. Professor Gloria Ladson-Billings, a prominent expert on issues of urban education, believes the best teachers should focus on students with the greatest need.

On Nov. 13 Ladson-Billings will share her message with prospective and practicing teachers and teacher-educators, educational leaders and policymakers at the University of Maryland and Prince George's County Public School District. She will be the featured speaker in a 4:30 p.m. public colloquium at the university's Nyumburu Cultural Center and will also conduct a special staff development session with Prince George's county teachers and administrators at 9 a.m. at Martin's Crosswinds in Greenbelt. The two events are hosted by Maryland's College of Education as part of its American Education Week celebration focused on conquering the minority achievement gap.

Ladson-Billings is a professor at the University of Wisconsin-Madison and a senior fellow in Urban Education at the Annenberg Institute for School Reform at Brown University. Her presentation is titled "In Search of Mr. Chips: Why the Poorest Children Need the Best Teachers."

"I focus on what we know about effective teachers for urban classrooms and what we need to do to ensure that more effective teachers practice in the classrooms of our nation's poorest and educationally neediest children," says Ladson-Billings. She has conducted extensive research on the relationship between culture and schooling, particularly successful teaching and learning strategies for African American children. She is author of the book *Dreamkeepers: Successful Teachers of African American Children*.

Edna Mora Szymanski, dean of Maryland's college of education, said Ladson-Billings' visit is part of the college's ongoing efforts to better prepare teachers to meet the special needs of minority students and urban school districts. "Because of our partnership with Prince George's County Schools, we are particularly focused on sharing with them the latest research-based strategies to help improve achievement for all students," says Szymanski.

Maryland regularly partners with the school district to lend its research expertise in identifying and resolving some of the specific problems faced by Prince George's County. The college is involved in developing specific interventions to reform low-performing schools and to improve instructional support systems.

The college's celebration of American Education Week also includes an Alumni Awards Program on Nov. 14 to recognize the achievements of education alumni. The awards and recipients are: Outstanding Leader in Education—Patricia McGrath Richardson (Ph.D., 1981, elementary education), superintendent of St. Mary's County Public Schools; Outstanding Scholar in Education—William F. Tate (Ph.D., 1991, mathematics science education), associate professor, University of Wisconsin-Madison; Dean's Award for Outstanding Achievement—Lydia Minatoya (Ph.D., 1981, counseling services), counselor, North Seattle Community College.

The awards program will feature a presentation by human development professor John Guthrie examining literacy trends for young readers of various ethnic groups.

Diversity Panel Reports Results in Three Initiatives

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diversity issues integral parts of their activities, both academic and extracurricular, and ensuring that the centers enroll diverse groups of students.

Mote said he agreed with the diversity panel that there are a lot of "excellent diversity-related teaching, research, educational and recruitment programs currently in place on campus." He called for more visibility and better coordination, and he has appointed an advisory group to further examine the equity system and human relations code.

He also said that a new survey will be developed to help establish a more comprehensive picture of campus climate and that the university needs to do a better job of informing the campus community and others about events, programs and research efforts related to diversity.

Need-based financial aid has become a high priority in university fund-raising efforts, Mote said. He has asked the office of Undergraduate Studies to review model programs at other universities that have been effective in expanding undergraduate scholarship programs. In addition, Undergraduate Admissions will increase awareness of all opportunities for financial support to talented students who participate in programs like science fairs and NASA internships. Beginning next fall, the university will offer scholarships aimed at academically qualified students who have overcome diversity. The program is aimed at encouraging high school students from Baltimore City schools to attend the university.

The action plan also notes that the office of the vice president for Student Affairs is developing a new protocol for after-care and follow-up action on hate-bias incidents, and that emergency calls should go to 911 or to 5-3333. Non-emergency calls or questions about hate-bias incidents should be directed to 4-BIAS (2427).

The panel presented its report to the president in July. It was published on the university's Web site in August with an invitation to the community to comment. Mote prepared his response after reviewing those comments.

To read the president's letter and the entire report, visit www.inform. umd. edu/PRES/statement_ divrsp.html on the university's Web site. The panel's report is at www.inform.umd.edu/CampusInfo/Departments/PRES/report_divrpt.html.